

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20030178968"	US-PGPUB; USPAT	OR	ON	2010/10/26 13:20
L2	8	"6714882"	US-PGPUB; USPAT	OR	ON	2010/10/26 13:36
L3	0	(forc\$4 near discharg\$4) and (li\$ion)	US-PGPUB; USPAT	OR	ON	2010/10/26 14:13
L4	1211	(forc\$4 near discharg\$4) and (li\$ion)	US-PGPUB; USPAT	OR	ON	2010/10/26 14:13
L5	335	4 and voltage and temperature	US-PGPUB; USPAT	OR	ON	2010/10/26 14:13
L6	31	5 and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2010/10/26 14:15
L7	1249	(forc\$6 near discharg\$4) and (li\$ion)	US-PGPUB; USPAT	OR	ON	2010/10/26 15:34
L8	37	7 and "320".clas.	US-PGPUB; USPAT	OR	ON	2010/10/26 15:34
L9	104	(forc\$4 near discharg\$4) and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2010/10/26 15:39
L10	311	"DIG.16"	US-PGPUB; USPAT	OR	ON	2010/10/26 16:00
L12	202	"320".clas. and (memory near effect) and discharg\$6 and lithium	US-PGPUB; USPAT	OR	ON	2010/10/26 16:05
L13	0	"320".clas. and (refresh4 near3 discharg\$6) and lithium	US-PGPUB; USPAT	OR	ON	2010/10/26 16:30
L15	17	"320".clas. and (refresh\$4 near3 discharg\$6) and lithium	US-PGPUB; USPAT	OR	ON	2010/10/26 16:31
L16	94	320/131.ccls.	US-PGPUB; USPAT	OR	ON	2010/10/26 16:48
L17	339	(discharg\$4 and (display or notification or "LED") and voltage and temperature).clm.	US-PGPUB	OR	ON	2010/10/26 16:54
S1	2599	320/134,136,150,152,154.ccls. or 324/433,435,441.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/19 11:21
S2	244	S1 and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:22
S3	3	S2 and (forc\$4 near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:23
S4	14	("3599071"   "5563496"   "5581170"   "5619430"   "5703466"   "5731685"   "5760570"   "5828202"   "5864224"   "5990663"   "6118255"   "6163131"   "6184659"   "6322921"),FN. OR ("6925400").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:31

S5	12	("3599071"   "5563496"   "5581170"   "5619430"   "5703466"   "5731685"   "5828202"   "5864224"   "6118255"   "6184659"   "6322921").PN. OR ("6714882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:39
S6	2	("5539318"   "5703465").PN. OR ("6008626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 11:42
S7	31	S1 and (forc\$4 near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 11:43
S8	2	jp-2000270494-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S9	2	jp-09298844-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S10	2	jp-2002056900-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S11	2	jp-2000078250-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:47
S12	0	S2 and memory and "display."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:50
S13	75	S2 and memory and display	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/19 11:50
S14	12	(forc\$4 near discharge) and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:38
S15	12	("3599071"   "5563496"   "5581170"   "5619430"   "5703466"   "5731685"   "5828202"   "5864224"   "6118255"   "6184659"   "6322921").PN. OR ("6714882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 12:39
S16	407	(battery near discharge) and (lithium same battery) and ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:41
S17	56	(lithium same battery) and ((battery near discharge) same ((measur\$3 or sens\$3 or detect\$) near temperature) and ((measur\$3 or sens\$3 or detect\$) near voltage)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:42
S18	24	S17 and (display or lcd)	US-PGPUB; USPAT	OR	ON	2008/08/19 12:43
S19	32	S17 not S18	US-PGPUB; USPAT	OR	ON	2008/08/19 12:48
S20	0	(forc\$4 near discharge) and "3200". clas.	US-PGPUB; USPAT	OR	ON	2008/08/19 12:52

S21	69	((forc\$4 near discharge) and "320". clas.	US-PGPUB; USPAT	OR	ON	2008/08/19 12:52
S22	27	S21 and voltage and temperature	US-PGPUB; USPAT	OR	ON	2008/08/19 12:53
S23	742	("320". clas. or "324". clas.) and (display same (maintenance discharging))	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S24	202	S23 and (temperature same voltage same discharg\$4)	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S25	54	S24 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/19 13:02
S26	298	("320". clas. or "324". clas.) and (lithium same discharge) and (temperature same voltage) and (display or notification of indicator)	US-PGPUB; USPAT	OR	ON	2008/08/19 13:24
S27	182	S26 and memory	US-PGPUB; USPAT	OR	ON	2008/08/19 13:26
S28	16	("5703463"   "5825155"   "5850136"   "5903131"   "5963019"   "5986865"   "5998967"   "6020722"   "6031302"   "6046575"   "6051954").FN. OR ("6268713").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/19 14:02
S29	72	("320". clas. or "324". clas.) and (switch near discharge) and (temperature same voltage) and (display or notification of indicator)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:10
S30	0	((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium adj battery)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S31	0	((switch of forced or self) near discharge) and (overvoltage) and (first adj temperature) and (lithium)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S32	8	((switch of forced or self) near discharge) and (first adj voltage) and (first adj temperature) and (lithium)	US-PGPUB; USPAT	OR	ON	2008/08/19 14:20
S33	2	320/134,136,150,152,154.cds. and (lithium same (fault or abnormal) same (display or lcd))	US-PGPUB; USPAT	OR	ON	2008/08/19 16:03
S34	36	320/134,136,150,152,154.cds. and ((fault or abnormal) same (display or lcd))	US-PGPUB; USPAT	OR	ON	2008/08/19 16:03
S35	40	((YASUAKI) near2 (MAKINO)).INV.	US-PGPUB; USPAT	OR	ON	2008/08/19 17:19
S36	4993	lithium and (nickel adj oxide)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S37	2403	lithium same (nickel adj oxide)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S38	968	lithium same (nickel adj oxide) same electrode	US-PGPUB; USPAT	OR	ON	2008/08/19 17:20
S39	86	(lithium near battery) same (nickel adj oxide) same electrode	US-PGPUB; USPAT	OR	ON	2008/08/19 17:21

S40	3	S39 and (LCD or display)	US-PGPUB; USPAT	OR	ON	2008/08/19 17:21
S41	49	memory same (forced adj discharge)	US-PGPUB; USPAT	OR	ON	2008/08/19 18:08
S42	5	S41 and battery	US-PGPUB; USPAT	OR	ON	2008/08/19 18:08
S43	5	(forc\$4 adj discharge) near (end\$3 or finish\$3 or complet\$3) same (indicat\$3 or notificat\$3 or display\$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:11
S44	67	(forc\$4 adj discharge) and (end\$3 or finish\$3 or complet\$3) near (indicat\$3 or notificat\$3 or display\$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:12
S45	333	"320".clas. and (end\$3 or finish\$3 or complet\$3) near (indicat\$3 or notificat\$3 or display\$3 or LCD)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:14
S46	109	S45 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:15
S47	32	S46 and ((forc\$3 or self or switch\$3) near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:15
S48	0	"320".clas. and ((forc\$3 or self or switch\$3) near discharge) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:20
S49	6	"320".clas. and ((forc\$3 or self or switch\$3) near discharge) and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:20
S50	1	lithium same ((forc\$3 or self or switch\$3) near discharge) and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:21
S51	7	"320".clas. and (discharge) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:22
S52	7	"320".clas. and (maintenance or service) same (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:25
S53	80	"320".clas. and (display adj message)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:28
S54	19	S53 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:30
S55	2901	(battery adj pack) same display	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S56	621	S55 and lithium	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S57	215	S56 and (measur\$3 or detect\$3 or sens\$3) near voltage	US-PGPUB; USPAT	OR	ON	2008/08/20 10:45
S58	110	S57 and (measur\$3 or detect\$3 or sens\$3) near temperature	US-PGPUB; USPAT	OR	ON	2008/08/20 10:46
S59	26	S58 and ((forc\$3 or self or switch\$3) near discharge)	US-PGPUB; USPAT	OR	ON	2008/08/20 10:46
S60	163	(notif\$8 or display\$3) same (forc\$4 near discharg\$3)	US-PGPUB; USPAT	OR	ON	2009/01/05 15:32
S61	10	S60 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/01/05 15:32
S62	4	S60 and "324".clas.	US-PGPUB; USPAT	OR	ON	2009/01/05 16:20

S63	1	"10581554"	US-PGPUB; USPAT	OR	ON	2009/01/16 18:34
S64	9	(forc\$5 near discharg\$3) same (battery) same (notif\$8 or display or LCD)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:29
S65	26	(forc\$5 near discharg\$3) same (notif \$8 or display or LCD) and (battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:33
S66	754	((notif\$8 or display or LCD) near power\$4) near3 (battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S67	34	S66 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S68	9	S67 and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:43
S69	25	S67 not S68	US-PGPUB; USPAT	OR	ON	2009/01/16 19:45
S70	774	((notif\$8 or display or LCD)) near3 (battery near powered)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S71	575	((notif\$8 or display or LCD)) near3 (battery adj powered)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S72	40	S71 and (battery adj pack)	US-PGPUB; USPAT	OR	ON	2009/01/16 19:56
S73	10	"320".clas. and (display same li-ion)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:01
S74	120	"320".clas. and (display same lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S75	2	"320".clas. and (display near3 lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S76	5	"320".clas. and (display near4 lithium)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S77	1189	"320".clas. and (display near4 battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S78	20	"320".clas. and (powered near3 display near4 battery)	US-PGPUB; USPAT	OR	ON	2009/01/16 20:02
S79	53	("3660759"   "3992228"   "4289836" "4702563"   "4702564"   "4716354" "4910630"   "4962347"   "5015544" "5032825"   "5156931"   "5188869" "5206097"   "5216371"   "5223003" "5248929"   "5250905"   "5389458" "5458992"   "5464709"   "5478665" "5491038"   "5494496"   "5537024" "5541489"   "5541490"   "5557188" "5565759"   "5596278"   "5600230" "5606242"   "5607790"   "5645949" "5654640"   "5731686"   "5737114" "5747189"   "5760588"   "5789100" "5825156"   "5841285"   "5849046" "5856040"   "5990664"   "5999410").PN. OR ("6483275"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 20:04
S80	3	(lithium same (forc\$5 near discharged)) and (notification or display)	US-PGPUB; USPAT	OR	ON	2009/04/20 16:24

S81	0	((lithium same (for\$5 near discharged)) and (notification or display))	US-PGPUB; USPAT	OR	ON	2009/04/20 16:25
S82	3	((lithium same (for\$5 near discharged)) and (notification or display or LCD))	US-PGPUB; USPAT	OR	ON	2009/04/20 16:25
S83	33	((battery or cell) same (for\$5 near discharged)) and (notification or display or LCD))	US-PGPUB; USPAT	OR	ON	2009/04/20 16:26
S84	23	((battery or cell) same (for\$5 near discharged)) and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/20 16:42
S85	128	((battery or cell) same (for\$5 near discharged))	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10
S86	105	S85 not S84	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10
S87	33	S86 and lithium	US-PGPUB; USPAT	OR	ON	2009/04/20 17:10
S88	33	(battery same (for\$6 near discharge)) and (battery same (notification\$5 or display))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:17
S89	1630	(battery same power near (notification\$5 or display))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:29
S90	3	S89 and (for\$6 near discharge\$3)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:29
S91	665	(display near3 battery near3 powered)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:38
S92	45	S91 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:38
S93	1298	(battery adj pack) and (battery near3 display)	US-PGPUB; USPAT	OR	ON	2009/04/22 17:40
S94	448	S93 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:40
S95	15	S93 and (battery same (refreshed))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:41
S96	187	(display near battery near (power or charge or electrical\$7))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:43
S97	39	S96 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/22 17:43
S98	947	battery adj3 power adj3 display	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S99	101	S98 and (battery same (refreshed or discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S100	0	S98 and (battery same (for\$7 near3 discharged))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:44
S101	10	S98 and (battery same (refreshed))	US-PGPUB; USPAT	OR	ON	2009/04/22 17:45
S102	59	S98 and "320".clas.	US-PGPUB; USPAT	OR	ON	2009/04/22 17:45
S103	5	"6456041"	US-PGPUB; USPAT	OR	ON	2009/04/22 18:03

S104	93	320/131.ccls.	US-PGPUB; USPAT	OR	ON	2010/02/27 16:06
S105	7	("5826958"   "5982146"   "6163131"   "6239578").PN. OR ("6433511"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:16
S106	17	("3796940"   "4281278"   "4302714"   "4742289"   "4755733").PN. OR ("5355072").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:22
S107	49	"320".clas. and (forc\$4 with discharg \$4) and lithium and display	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/27 16:24
S108	736	"320".clas. and LED same switch	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
S109	725	S108 and battery	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
S110	568	"320".clas. and (LED same switch same battery)	US-PGPUB; USPAT	OR	ON	2010/02/27 19:27
S111	6	320/131.ccls. and (LED same switch same battery)	US-PGPUB; USPAT	OR	ON	2010/02/27 19:28
S112	33	((AKIHIRO) near2 (TANI GUCHI)). INV.	US-PGPUB; USPAT	OR	ON	2010/02/27 19:57
S113	34	((TOSHIHIKO) near2 (ICHI NOSE)). INV.	US-PGPUB; USPAT	OR	ON	2010/02/27 19:57

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